

Amendments to the Claims:

Please amend claims 1-3, 5, 18, 20, 22, 29, 32 and 35 and cancel claims 4, 13, 21, 23 and 38 as shown in the claim listing below. All pending and withdrawn claims are listed below. This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (currently amended) A motion-based apparatus comprising:
one or more passenger units movably coupled to one or more support arms, said one or more support arms extending radially relative to a central stationary hub;
one or more clutch units positioned between said one or more support arms and said central stationary hub, said clutch units configured to receive said passenger units from said one or more support arms;
means for driving said support arms and clutch units in a generally circular path relative to said central stationary hub; and
means for unloading and loading one or more of said passenger units using said one or more clutch units in alignment with said one or more support arms while said support arms and clutch units are in rotation ~~uncoupled from said support arms while said support arms move in said generally circular path.~~
2. (currently amended) The motion-based apparatus of claim 1 wherein the one or more passenger ~~compartments~~ units are movably coupled to the one or more support arms by means of a guide member engaging the one or more support arms.
3. (currently amended) The motion-based apparatus of claim 1 wherein the means for driving said support arms and clutch units is one or more motors.
4. (canceled)

5. (currently amended) A motion-based apparatus comprising:
one or more passenger compartments movably coupled to one or more support arms, said one or more support arms extending radially relative to a central stationary hub;
said support arms being attached at a first end to a rotatable member;
said rotatable member positioned adjacent to a rotatable clutch member wherein said rotatable clutch member is positioned between said one or more support arms and said central stationary hub;
means for rotating said rotatable member and said rotatable clutch member; and
one or more transfer units affixed to said rotatable clutch member for facilitating transfer of the one or more passenger compartments between the one or more support arms and said central stationary hub while said support arms continue in motion.
6. (original) The motion-based apparatus of claim 5 wherein said rotatable member and said rotatable clutch are circular in shape.
7. (original) The motion-based apparatus of claim 6 wherein said rotatable clutch is positioned within an inner circumference of said rotatable member.
8. (original) The motion-based apparatus of claim 5 wherein the stationary area includes one or more stationary units for receiving said guide member.
9. (original) The motion-based apparatus of claim 5 wherein said support arms, transfer units and stationary units each have an I-beam or t-slot cross-section.
10. (original) The motion-based apparatus of claim 7 wherein the stationary area is located within an inner circumference of said second rotatable clutch member.
11. (original) The motion-based apparatus of claim 5 wherein the stationary area facilitates loading

and unloading of passengers into and out of the passenger compartments.

12. (original) The motion-based apparatus of claim 5 wherein said passenger compartments are gimbaled about three axes.

13. (canceled)

14. (original) The motion-based apparatus of claim 5 wherein the one or more passenger compartments include a video monitor.

15. (original) The motion-based apparatus of claim 5 wherein the one or more passenger compartments include a sound system.

16. (original) The motion-based apparatus of claim 5 wherein the one or more passenger compartments include means for scenting the compartment.

17. (original) The motion-based apparatus of claim 5 wherein the one or more passenger compartments include means for misting the compartment.

18. (currently amended) A motion-based system comprising:

one or more passenger units movably supported by passenger unit radial tracks integrated within a passenger unit circular platform, said passenger unit radial tracks extending radially relative to a central stationary hub;

one or more clutch tracks integrated within a clutch platform positioned between said passenger unit circular platform and said central stationary hub, said one or more clutch tracks configured to receive said passenger units from said one or more passenger unit radial tracks;

means for rotating said passenger unit circular platform and clutch platform relative to said central stationary hub; [[and]]

means for moving said passenger units along said radial tracks different distances from said stationary central hub to generate varied forces on said one or more passenger units; and

means for unloading and loading one or more of said passenger units using said one or more clutch tracks in alignment with said one or more passenger unit radial tracks while said passenger unit radial tracks and clutch tracks are in rotation ~~moved off of said radial tracks while said circular platform moves in a generally circular path.~~

19. (original) The motion-based system of claim 18 wherein the one or more passenger compartments are movably supported by a wheeled base member.

20. (currently amended) The motion-based system of claim 18 wherein the means for driving said passenger unit platform and clutch platform is one or more motors.

21. (canceled)

22. (currently amended) A motion-based apparatus comprising:

one or more passenger compartments supported by a first series of tracks integrated in a rotatable planar platform, said first series of tracks extending radially relative to a central stationary hub;

said rotatable planar platform positioned adjacent to a rotatable clutch platform having a second series of tracks, said rotatable clutch platform positioned between said rotatable planar platform and said central stationary hub; and

means for rotating said rotatable planar platform and said rotatable clutch platform relative to said central stationary hub such that one of said series of tracks aligns with one of said first series of tracks to facilitate transfer of [[the]] passenger compartments from [[the]] said rotatable planar platform to a stationary platform adjacent to said central stationary hub.

23. (canceled)

24. (original) The motion-based apparatus of claim 22 wherein said one or more passenger compartments are gimbaled about three axes.

25. (original) The motion-based apparatus of claim 22 wherein the one or more passenger compartments include a video monitor.

26. (original) The motion-based apparatus of claim 22 wherein the one or more passenger compartments include a sound system.

27. (original) The motion-based apparatus of claim 22 wherein the one or more passenger compartments include means for scenting the compartment.

28. (original) The motion-based apparatus of claim 22 wherein the one or more passenger compartments include means for misting the compartment

29. (currently amended) A method of subjecting one or more passengers to varying forces in a system having a constant rotational velocity, comprising:

providing one or more passenger units supported by one or more radial members, said radial members extending radially relative to and positioned about a central stationary hub;

providing one or more clutch units positioned between said one or more radial members and said central stationary hub, said clutch units configured to receive said passenger units from said one or more support arms;

rotating said radial members about said central stationary hub at a constant rotational velocity; [[and]]

moving said one or more passenger units along said radial members such that their distance from the central hub is increased or decreased thereby varying the forces on passengers;

loading and unloading one or more of said one or more passenger units without stopping one

or more other of said one or more passenger units by:

rotating one of said clutch units to alignment with one of said rotating radial members;

moving a corresponding passenger unit from said radial member to said clutch unit;
and

stopping the clutch unit while said radial members continue rotating.

30. (original) The method of claim 29 wherein the one or more radial members are support arms.

31. (original) The method of claim 29 wherein the radial member is a platform having a plurality of tracks.

32. (currently amended) A motion-based apparatus comprising:

one or more passenger units supported by one or more support members positioned radially about a central stationary hub;

one or more clutch units positioned between said one or more support members and said central stationary hub, said clutch units configured to receive said passenger units from said one or more support arms;

means for rotating said one or more support members and clutch units in a generally circular path relative to said central stationary hub; [[and]]

means for moving said passenger units radially upon said members so that distance of the passenger unit from the central hub is changed and;

means for unloading and loading one or more of said passenger units by using said one or more clutch units in alignment with said one or more support members while said support members and clutch units are in rotation.

33. (original) The motion-based apparatus of claim 32 wherein the one or more radial members are support arms.

34. (original) The motion-based apparatus of claim 32 wherein the radial member is a platform having a plurality of tracks.

35. (currently amended) A motion-based apparatus comprising:

one or more passenger units movably coupled to one or more support arms, said support arms each formed of a plurality of segments such that said segments may be rotated about a longitudinal axis of the support arms, said one or more support arms extending radially relative to a central stationary hub;

one or more clutch units positioned between said one or more support arms and said central stationary hub, said clutch units configured to receive said passenger units from said one or more support arms;

means for driving said support arms and clutch units in a generally circular path relative to said central stationary hub; [[and]]

means for moving said one or more passenger units along said support arms different distances from said central stationary hub to generate varied forces on said passenger units; and

means for unloading and loading one or more of said passenger units using said one or more clutch units in alignment with said one or more support arms while said support arms and clutch units are in rotation ~~uncoupled from said support arms while said support arms move in said generally circular path.~~

36. (original) The motion-based apparatus of claim 35 wherein each segment supports one or more passenger units.

37. (original) The motion-based apparatus of claim 35 wherein each segment comprises an I-beam cross-section.

38. (canceled)